- 1 understand the difference between this
- 2 architecture, and could it be used an that
- 3 fashion.
- 4 My question was towards technical
- 5 feasibility.
- 6 MR. SRINIVASA: Apparently at the
- 7 ONU side it's not -- you know, the voice portion
- 8 is frequency division multiplexed. They are on
- 9 the same pair. And apparently both are
- 10 combined. The DSL portion is still packet,
- 11 whereas the voice portion is in a D4,
- 12 conventional digital framing and formatting.
- 13 They are all multiplexed and put on the
- 14 same fiber. It goes back to a BDT, and then
- 15 back to the central office, and then it goes to
- 16 the ATM. Again, they separate them out. The
- 17 voice goes to the voice switch and the ATM, you
- 18 know, packets --
- MS. CARTER: So that couldn't be
- 20 purchased -- I mean, my understanding of the
- 21 answer was you can unbundle at the ONU.
- MR. SRINIVASA: You have an option
- 23 of installing your own DSLAM at the ONU. What
- 24 is unbundled at that point is the drop cable.
- MS. CARTER: But if I didn't want

1 to do that and I wanted to use their capability,

- 2 is my question.
- 3 MR. SRINIVASA: So then you have
- 4 two -- you have to define the ONU all the way up
- 5 to the ATM. It could be your own ATM switch.
- 6 Instead of routing it to the ASI ATM switch,
- 7 they can route it to your ATM switch. After
- 8 that point, that will be one UNE. Is that what
- 9 you're saying?
- 10 Let me ask -- somebody else may be able
- 11 to give me the answer.
- MS. BOURIANOFF: Judge Srinivasa,
- 13 I don't want to directly answer that question
- 14 that you were posing to Covad, but I did want to
- 15 get to another aspect, and this is to clarify
- 16 something we heard at the last workshop.
- 17 I think it was clarified and retracted
- 18 in an ex parte that Southwestern Bell filed at
- 19 the FCC. But, you know, Covad started asking
- 20 about UNE platform.
- 21 And at the last workshop, we heard the
- 22 Richardson fiber to the curb area, a voice CLEC
- 23 couldn't send UNE-P orders in this Richardson
- 24 fiber to the curb area.
- I think that that was clarified in

- 1 filings at the FCC and said that that was
- 2 incorrect, that a voice CLEC was able to send
- 3 UNE-P orders and serve voice end-user customers
- 4 over a UNE-P arrangement.
- 5 But I would like to clarify that for
- 6 the purposes of this workshop, because there has
- 7 been some confusion talking about UNE platforms.
- 8 MS. LEAHY: This is Tim Leahy,
- 9 with Southwestern Bell. I'm not sure that these
- 10 witnesses can answer that. I haven't looked at
- 11 that letter in a while, but my understanding is
- 12 that letter is valid today or is as accurate
- 13 today as it was when it was sent.
- 14 So we haven't changed that. So to the
- 15 extent that that clarifies statements made in a
- 16 prior workshop, it was meant to so clarify.
- MS. BOURIANOFF: And I just wanted
- 18 to clarify that when Covad was talking about UNE
- 19 platform, I don't think they are talking
- 20 about --
- 21 MS. CARTER: We're not talking
- 22 about voice.
- MS. BOURIANOFF: Right. But
- 24 Southwestern Bell is somehow allowing CLECs,
- 25 like AT&T, to, in some manner, provide voice

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1 over -- you know, it's not the typical loop
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- 2 transport switch combination we think of, but
- 3 some combination of elements.
- 4 MR. SRINIVASA: So did you state
- 5 that they filed something at the FCC, that under
- 6 the Richardson configuration that if AT&T or
- 7 somebody wants to provide voice as a UNE
- 8 platform they can?
- 9 MS. BOURIANOFF: Yes.
- 10 MR. SRINIVASA: So the rate you
- 11 would pay is the -- whatever you pay for the
- 12 copper and another combination?
- MS. BOURIANOFF: That's correct.
- 14 That's my understanding. I've not looked at the
- 15 letter in a while, but that was my understanding
- 16 of the clarification at the FCC.
- 17 That's my understanding also of what
- 18 we've actually experienced in practice. I
- 19 believe we've been able to send UNE-P voice
- 20 orders in that area and we paid the typical
- 21 UNE-P rates established by the Commission.
- MR. SRINIVASA: So yours is UNE
- 23 combination. This is a special service that is
- 24 a combination of UNE. That's UNE-C.
- MS. CARTER: Yeah, or data UNE-P,

- 1 if you want to...
- 2 MR. CHIAPPETTA: This is Robert
- 3 Chiappetta, from the Office of Policy
- 4 Development. I just had a question for the
- 5 representative from Richardson here.
- 6 When these new subdivisions are being
- 7 developed -- and I assume that Richardson is
- 8 booming just like the rest of Texas -- when
- 9 these subdivision developers and real estate
- 10 people are advertising for these new
- 11 subdivisions, what type of communication
- 12 services are they telling these new potential
- 13 residents that they can receive, and how is the
- 14 City of Richardson expressing to these new
- 15 potential citizens of Richardson, Texas.
- MR. DAVIS: I think, in general,
- 17 realtors obviously are making their potential
- 18 customers aware of not only the availability of
- 19 POTS service in a more traditional
- 20 telecommunications medium but they are certainly
- 21 discussing the availability of cable modems like
- 22 that offered by AT&T and also DSL services as
- 23 they were prior to the moratorium offered by
- 24 Southwestern Bell.
- I think the issue is probably more

1 pertinent in an economic development forum in

- 2 that the fiber optic network that was
- 3 constructed by Southwestern Bell is a strong
- 4 selling point for economic development in the
- 5 City of Richardson and is an important one that
- 6 we wish to preserve.
- 7 Does that answer your question?
- 8 MR. CHIAPPETTA: I guess my
- 9 question now is, how is that fiber backbone that
- 10 is being developed, how are you referring to
- 11 that since it really can only be used at the
- 12 moment for POTS and in limited -- or I guess
- 13 from the carryover of these 900 DSL subscribers?
- 14 I assume also Richardson is mainly a
- 15 residential area. I don't know how much
- 16 commercial --
- 17 MR. DAVIS: We categorize
- 18 Richardson as primarily a residential area.
- 19 Actually we would -- we're a net importer of
- 20 jobs in the City of Richardson. We're probably
- 21 better known in the State of Texas as the
- 22 telecom corridor of Nortel Communications,
- 23 Ericsson Communications, MCI.
- 24 We have corporate headquarters and
- 25 campuses in Richardson that are immense.

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1 MR. CHIAPPETTA: And I assume that
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- 2 most of these corporations are not being served
- 3 by this fiber system that we're discussing
- 4 today.
- 5 MR. DAVIS: I'm not sure I could
- 6 answer that question for you. Maybe you can
- 7 direct it to Southwestern Bell.
- 8 MR. SANDS: Bob Sands,
- 9 Southwestern Bell. The Richardson fiber to the
- 10 curb is only for the residential customers in
- 11 Richardson.
- 12 There are some adjacent, small
- 13 businesses, like strip shopping centers and
- 14 things like that, but all of those other
- 15 locations are served by other fiber technologies
- 16 or copper technology.
- MR. DAVIS: There are a rather
- 18 large number of fiber providers in Richardson as
- 19 well. So most of our employers or businesses in
- 20 town find fiber optics readily available in
- 21 general.
- 22 I would say that the point you make is
- 23 a valid one, in that I'm not sure that getting
- 24 into the specifics of what the network does is
- 25 ever discussed in the context of selling real

- l estate or whether it's to residents or to
- 2 businesses, but certainly the concept of a fiber
- 3 optic network is and is used often.
- 4 I think there's an important point
- 5 there that relates back to my earlier comment,
- 6 that the fiber optic network itself is really
- 7 more important than today's electronic tackle
- 8 that's attached to the fiber optic network,
- 9 because whether the Pronto system lasts two
- 10 years, five years or 10 years, the fiber optic
- 11 will still be usable and viable in 30 years.
- I doubt seriously that today's
- 13 technology is going to be in use 30 years from
- 14 today regardless of what it is. So decisions
- 15 that are made with regard to the unique case
- 16 that exists in Richardson, you certainly need to
- 17 keep that in mind.
- 18 It's ridiculous to make a decision for
- 19 today's dollar that denies us tomorrow's
- 20 opportunity. Certainly backtracking and laying
- 21 copper cable to replace fiber optic cable that
- 22 is already in the ground just defies common
- 23 sense and rational thought.
- 24 MR. DRAKE: I would like to
- 25 comment to the gentleman. Laying new copper to

- 1 replace fiber, I do understand. It would be
- 2 stupid to do. But there are new technologies
- 3 out today that are being deployed by U.S. West
- 4 that if they already have fiber out into the
- 5 neighborhoods as they are stating that they can
- 6 utilize that will support unbundling.
- We have that in our lab, and I extend
- 8 you an invitation to come to our lab in
- 9 Richardson and we will demonstrate this whole
- 10 thing for you.
- MR. DAVIS: Using copper
- 12 technology?
- MR. DRAKE: No. It's using fiber
- 14 to the curb, just like you want to see there.
- 15 It is not copper technology, but it supports
- 16 unbundling and it supports all flavors of DSL
- 17 plus T1, everything you need, ISDN, all the
- 18 flavors that are out there.
- 19 They could take that from their CO on
- 20 their existing fiber out to the neighborhoods,
- 21 and from there they would have to install a type
- 22 of IDLC device.
- 23 And then if they are going to bury
- 24 fiber on into the neighborhoods, they could use
- 25 this device, and it does support all the new

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1 technologies, unbundling, everything.
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- 2 MR. SRINIVASA: Who's the vendor?
- 3 MR. DRAKE: One of them is --
- 4 MR. MILLER: Next Level.
- 5 MR. DRAKE: -- Next Level
- 6 Communications.
- 7 MR. SRINIVASA: Can you identify
- 8 yourself for --
- 9 MR. MILLER: WorldCom, John
- 10 Miller. Next Level Communications.
- MR. DRAKE: We have that in our
- 12 lab today. And U.S. West is deploying that
- 13 today in Arizona with fiber to the house, and
- 14 they are doing video, data, voice, everything
- 15 over it.
- MR. DAVIS: I would point out
- 17 again that the terminal tackle that are attached
- 18 to these transmission lines are really very
- 19 tenuous, and certainly there are a considerable
- 20 number of solutions that are available today.
- I have no doubt whatever that Next
- 22 Level or Lucent or CISCO or any of the other
- 23 major electronics providers could provide an
- 24 end-to-end solution that certainly would allow
- 25 the unbundling of network elements in this in

1 such a way that Covad or IP could turn around

- 2 and sell DSL service.
- But I think rationally you have to
- 4 recognize that Southwestern Bell invested a
- 5 considerably large amount of money in the
- 6 Richardson project not more than six years ago.
- 7 I think nearly everybody is entitled to have
- 8 some sort of a reasonable return on their
- 9 investment before they are required to scrap
- 10 that investment and replace it with something
- 11 completely different.
- 12 I'm not sure that I would venture any
- 13 farther into the subject than that. I
- 14 understand that the issue is -- and this is
- 15 something near and dear to us, because you know
- 16 we're having to explain to our citizens now why
- 17 DSL service that was available a month ago is
- 18 not available today.
- 19 This is certainly a sensitive issue in
- 20 Richardson right now. I think reasonably it's
- 21 not reasonable to expect them to replace
- 22 everything from the switch level down to the ONU
- 23 in Richardson in order to accommodate a really
- 24 narrow segment of the market.
- In sitting here and listening to some

1 of the discussion that's taken place today, I'm

- 2 frankly a little (inaudible) at some of the
- 3 opportunities that I've heard thrown out. First
- 4 we hear all new subdivisions should have copper
- 5 wiring thrown in.
- 6 Then I've heard comments that sort of
- 7 alluded to the fact that we ought to place some
- 8 sort of a moratorium on laying or connecting new
- 9 customers to an existing fiber network in these
- 10 new subdivisions. The question that didn't get
- 11 asked at the time is, "What will the new
- 12 customers do if we don't do that"?
- I assume they are going to want
- 14 telephone service when they move into their
- 15 homes. I'm a little confused at some point what
- 16 the final purpose of this is. I understand that
- 17 the larger picture is to provide unbundled
- 18 services, and I certainly support the
- 19 competitive aspects of that.
- We are talking about an exception to
- 21 the general rule here, and I think that that
- 22 exception requires a more detailed evaluation of
- 23 what is actually possible to accomplish within
- 24 reasonable grounds of Richardson.
- MR. SRINIVASA: You're indifferent

1 what electronics they deploy at the fiber. You

- 2 just want to make sure that the backbone, the
- 3 fiber optics that is already in the ground and
- 4 whatever they are going to deploy in the future
- 5 to the new customer continues to be the fiber
- 6 optic to the curb. That's your position.
- 7 MR. DAVIS: Well, I do not want
- 8 them to tear up the rights-of-way again in order
- 9 to move copper technology which is, in my
- 10 opinion, 50 years old back into the field so
- 11 that we can accommodate a very narrow market
- 12 segment which is simply resold -- (inaudible)
- I don't know what the potential market
- 14 in Richardson for such a thing is, but it seems
- 15 unreasonable to expect the city or the citizens
- 16 of Richardson to endure the enormous traffic
- 17 tie-ups, the damage to our infrastructure and
- 18 everything else that would be caused simply to
- 19 permit one type of service to be resold within
- 20 the City of Richardson.
- 21 It's nonsensical is what it is.
- MR. SIEGEL: Just to make the
- 23 record clear, no party here has suggested
- 24 digging up fiber and replacing it with copper.
- 25 What they suggested is, when you're

- 1 laying new fiber, when you're digging up the
- 2 roads anyway, putting something that is
- 3 consistent with your requirements under the
- 4 federal act to provide unbundled elements and
- 5 not to continue to put something in that
- 6 perpetuates whether it was a correct decision or
- 7 not in 1994 an ability where the incumbent has
- 8 discriminatory advantage.
- 9 MR. LEAHY: And, first of all,
- 10 let's be clear for the record. The incumbent is
- 11 Southwestern Bell Telephone Company.
- 12 Southwestern Bell Telephone Company does not
- 13 provide DSL services.
- 14 It has no advantage in this context.
- 15 And as you've heard from the representative of
- 16 ASI, he's not exactly crazy about his merger
- 17 condition obligation to serve the current
- 18 customers because of the costs involved.
- MR. SIEGEL: Well, just to be
- 20 clear, I empathize with ASI. Southwestern Bell,
- 21 the incumbent, although they don't provide DSL
- 22 services, is benefiting very well because they
- 23 are making a huge profit off of ASI, because ASI
- 24 is only receiving 39.95 and is paying
- 25 Southwestern Bell Telephone, the incumbent, what

- 1 appears to be much more.
- 2 MR. BROWN: Well, I would take
- 3 exception with that. My rates and my costs are
- 4 averaged across wide geographic areas. So I can
- 5 afford to serve 900 customers and perhaps not
- 6 recover those costs because I made that up in
- 7 margins in someplace else.
- 8 I think the solution here that
- 9 Southwestern Bell has proposed is the proper
- 10 solution. They are marching down the road to
- 11 develop a broadband service that's going to be
- 12 well thought out. There are going to be
- 13 ordering methods that work the first time.
- Once that is in place, then the
- 15 unaffiliated CLECs and ASI have the same
- 16 opportunity to market to those customers. We
- 17 have a service that will work. They have
- 18 committed to doing it in as short a period of
- 19 time as possible.
- 20 That appears to me to be the correct
- 21 solution.
- MR. SRINIVASA: I think we have
- 23 discussed, you know, all issues related to
- 24 Richardson. Maybe we need to move on to the
- 25 next set of issues. Before we do that, we want

- 1 to take a 10-minute break.
- MS. GENTRY: Before we break, you
- 3 would like some things from us. Can you give us
- 4 a feel -- you wanted some recommendations.
- 5 Would you like them in 10 days or 15 days? Give
- 6 us a sense.
- 7 And can I also ask that when SBC
- 8 responds to you that they put in their proposed
- 9 or tentative time-line for this; could they also
- 10 at some point give a commitment for what that
- 11 price is going to be? Because they have alluded
- 12 to the fact that they believe this solution will
- 13 potentially cost more than the proposed Pronto
- 14 pricing that's out there.
- So if we could have a magnitude of 20
- 16 percent more or 50 percent more, and if they
- 17 don't have it now -- I understand they may not
- 18 have it in 10 or 15 days -- can they give us a
- 19 time frame? I'm looking at what the gentleman
- 20 from Richardson has been saying.
- I would like to be competitive there,
- 22 and I have no idea -- right now I'd have to tell
- 23 you I can never commit to going to Richardson.
- 24 I have a collocation that now is almost useless
- 25 to me, as is probably a half a dozen other

- 1 CLECs.
- We could never tell you that we could
- 3 be competitive in Richardson, because the
- 4 solution right now for Pronto is prohibitively
- 5 expensive. Most of us do not believe that we
- 6 can be competitive with Pronto, let alone Pronto
- 7 plus some margin -- plus some additional.
- 8 So you may only have -- the only person
- 9 that will ever serve Richardson may only be ASI.
- 10 So I need to have a sense. So if we could have
- 11 something that starts framing this together over
- 12 the next several weeks would be helpful.
- MR. SRINIVASA: Okay. In your
- 14 proposal, can you include the details that she
- 15 just enumerated?
- MR. LEAHY: Yeah. I just want to
- 17 emphasize that Ms. Gentry acknowledged that we
- 18 may not be able to come up with rates, given
- 19 that we may not know specifically what the
- 20 technical solution will be on the long-term
- 21 basis.
- 22 But I acknowledge her request, and
- 23 we'll endeavor to be responsive.
- MR. SRINIVASA: Will you be able
- 25 to file that within, say, the next 15 days?

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1 MR. LEAHY: I don't know. Maybe
 2 after lunch we can come back with a sense.
               MR. SRINIVASA: Okay. Please let
 4 us know. Let's take our luncheon recess and
 5 come back at 12:30.
          (Luncheon recess - 11:30 a.m.)
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1	AFTERNOON SESSION
2	WEDNESDAY, JULY 26, 2000
3	
4	MR. MASON: All right. We're back
5	on the record. We had a lunch break, and we are
6	now we have been asked to take one other
7	small issue from last time out of turn. We will
8	take up the technical publication in just a few
9	minutes, but I understand that the
10	representative from ASI is that correct?
11	MR. BROWN: Yes, Mr. Maxwell, Tom
12	Maxwell is here. And you had asked for some
13	information on customer self-install, so what we
14	thought would be appropriate is he will just
15	walk you through a typical session of a customer
16	self-install. Is that pretty much what you had
17	in mind?
18	MS. MALONE: That would be great.
19	MR. BROWN: Okay. This is Tom
20	Maxwell.
21	MR. MAXWELL: I'm Tom Maxwell,
22	SBC. And what I would like to show you today is
23	the DSL self-install box that our customers
24	would receive. The customer calls in. We need
25	to go through some additional qualifying

- 1 questions, in particular, what operating systems
- 2 are you using. Currently, the offer does
- 3 support Windows 95 and 98 although we are
- 4 aggressively expanding that to include as many
- 5 operating systems as our customers will need.
- 6 The first thing the customer receives
- 7 or sees when they open the box is what we call
- 8 our DSL Installation Guide. This is about 20
- 9 pages long, but it's really the result of
- 10 extensive human factors testing in direct
- 11 feedback from our customers. And what we've
- 12 attempted to do and what we have been successful
- 13 in doing is taking the customer all the way from
- 14 the point of opening the box and verifying the
- 15 contents all the way through, through the
- 16 successful implementation of their equipment.
- 17 What the box contains is everything the
- 18 customer will need to install their CPE for
- 19 their DSL service. The very first thing the
- 20 customer should do is remove the plastic bag,
- 21 and inside the bag we have a series of what we
- 22 call microfilters.
- 23 What these filters do and the whole
- 24 logic behind self-install of DSL is the DSL and
- 25 the voice signals no longer split outside the

1 home. There is no external splitter. What that

- 2 means is the voice and the data co-mingle every
- 3 jack inside the home. So the jack on which the
- 4 DSL line is installed does not need a micro
- 5 filter, but every other analog device, be it
- 6 telephone, be it Caller ID box, be it a fax
- 7 machine, requires a low-pass filter.
- 8 What this essentially does is you plug
- 9 your telephone line into this end, this end into
- 10 the actual jack. And what it does is it filters
- 11 out the high frequency DSL signal. Periodically,
- 12 if a customer does not have one of these, the
- 13 high frequency signal can bleed into the lower
- 14 band voice, and you can hear some high frequency
- 15 noise on the phone, but this effectively removes
- 16 that.
- MR. SRINIVASA: What about for the
- 18 wall mounted telephones? Do you have that?
- MR. MAXWELL: Excellent seque.
- 20 The customer gets five of these what we call
- 21 in-line filters and one wall-mount filter. In
- 22 addition, there is one small device that we call
- 23 a two-in-one or a Y connector. This is in the
- 24 instance where a customer desires to have an
- 25 analog device resident on the same jack with

- 1 their DSL line. In essence what happens here is
- 2 there are two inserts, one for the filtered
- 3 analog device, one for the DSL. And then this
- 4 plugs into the wall.
- 5 Once the customer completes that, the
- 6 wires inside the home are now set for the DSL
- 7 installation.
- 8 MR. DRAKE: Question. Sir,
- 9 William Drake, WorldCom. Is this for G light?
- 10 You may microfilters, so that's not regular
- 11 ADSL.
- MR. MAXWELL: It's not G light.
- 13 The equipment is G light and full rate DSL
- 14 compatible, although what we offer is full rate.
- MR. DRAKE: Thank you.
- MR. MAXWELL: Probably the most
- 17 important piece of equipment that's inside the
- 18 customer's CPE is the modem itself. The model
- 19 that I brought along today is what we call our
- 20 Ethernet Solution. You have both Ethernet as
- 21 well as a USB Solution. This particular model
- 22 is from Efficient Networks, and what the
- 23 customer has to do is place this modem
- 24 essentially beside their PC. It comes with an
- 25 Ethernet cord and with AC power.

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1 The customer places that alongside
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- 2 their PC, and the one truly involved step for
- 3 the Ethernet solution is the installation of an
- 4 internal NIC or network interface card. What
- 5 the customer will need to do -- and this is
- 6 where our quide is excruciatingly clear in
- 7 walking the customer through -- is the removal
- 8 of the shell of their PC, finding an open PCI
- 9 slot, and we provide as many graphics as
- 10 possible to show them what an open PCI slot
- 11 is -- the installation of this or the insertion
- 12 in the open PCI slot, close up the PC.
- Once that's done, the Ethernet cord
- 14 runs from the PC into their modem. The AC power
- 15 runs from the modem into the wall. They plug in
- 16 plain old telephone cord in the line section of
- 17 their modem into the analog jack or into the
- 18 jack in the wall. They simply have to turn on
- 19 their PC. The PC recognizes that a device has
- 20 been attached, and their installation for their
- 21 equipment is now complete.
- 22 What that means in terms of the guide
- 23 is we have taken this process and culled it down
- 24 to seven steps. On the seventh step, once a
- 25 customer completes that, we tell them they

- 1 should now focus on the client server software,
- 2 the PPPOE or the protocol and drivers that will
- 3 be sent to them under separate cover from their
- 4 chosen ISP.
- 5 MR. SRINIVASA: Now, the Ethernet,
- 6 if someone has links or 3COM, they don't have
- 7 (inaudible) Internet card already there,
- 8 interface with that?
- 9 MR. MAXWELL: What we're doing,
- 10 we're running this in particular with testing
- 11 with MAC. Certain PCs do come with NIC cards
- 12 already installed. And we are developing the
- 13 requisite tools that will tell the customer if
- 14 they have a network interface card, as well as
- 15 being able to detect it potentially themselves.
- 16 If they do not, then we can -- at the
- 17 time of sale, if we know that, we can send them
- 18 what is referred to as a NICless package. If
- 19 they're not sure, we'll send them a full
- 20 complement of equipment, and, if they do not
- 21 need the NIC, then they simply will have a spare
- 22 one at that point.
- MR. SRINIVASA: Okay. So you are
- 24 looking -- any standard Ethernet card
- 25 interfacing into that box which goes into -- is

1 that the box which works the Ethernet into

- 2 ADSL --
- 3 MR. MAXWELL: The network
- 4 interface card?
- MR. SRINIVASA: The box, the black
- 6 box that you have --
- 7 MR. MAXWELL: This modem?
- 8 MR. SRINIVASA: Yeah, modem. That
- 9 is the one which converts the Ethernet package
- 10 into the ADSL format and sends it out?
- MR. MAXWELL: Yes, and by our
- 12 Ethernet connection to the PC.
- MR. SRINIVASA: To the PC. Okay.
- MR. DRAKE: William Drake,
- 15 WorldCom. Who is the manufacturer of the modem?
- MR. MAXWELL: The modem? We
- 17 currently sell two. This is one of our Ethernet
- 18 Solutions by Efficient Networks. We also have a
- 19 Westel Ethernet Solution.
- 20 MR. BROWN: Does that answer your
- 21 questions?
- MS. MALONE: Great. Thank you
- 23 very much.
- MR. BROWN: Thanks, Tom.
- MR. DRAKE: William Drake,